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Date: 11 Jun 2008

To: James Singer

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Application/Control Number: 10/586,736

Art Unit: 3725

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Re: Claim changes

CC:

☐ Urgent ☒ For Review ☐ For Comment ☐ For Reply ☐ Per Your Request

Comments:

Please review the attached which would place the application in condition for allowance. There are two features which are being brought out: specifying the establishment of the pre-stressed condition of the rings and the pre-stressed rings, which form a ring container system, being placed around the die core by a compression fit. The method also brings these features out by clearly claiming the forming of the two rings with a pre-stressed condition and further being compressively joined to the die core by the pre-stressed rings. Please get back to me as soon as possible so that we might resolve these issues.

Number of pages 3 including this page

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1. (Currently Amended) A disposable diamond die comprising:
a die core comprised of diamond; and
a ring container system comprising at least two pre-stressed rings of increasing diameter placed around the die core, the pre-stressed condition of the rings establishing a deformed fit between the rings and the ring container system further providing a compression against the die core.

wherein the at least two rings form a container housing the die core; and
a housing comprising a housing container and a cap surrounding the two rings and die core.

12. (Currently Amended) A method for forming a disposable diamond die assembly comprising the steps of:

providing a die core comprised of diamond;
providing at least two rings of increasing diameter ~~around the die core forming a ring container system; the die core and the ring container system each having mating geometrical features~~ by establishing a pre-stressed condition between the at least two rings to form a pre-stressed ring container system;

securing the ~~a~~ die core in the pre-stressed ring container system by contacting the respective mating geometrical features between the ring container system and die core and causing a deformation in at least one of the mating geometrical feature, the deformation

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providing mechanical compression forces sufficient to secure the die core in the ring container system; and

placing the ring container system with the secured die core into a container assembly.